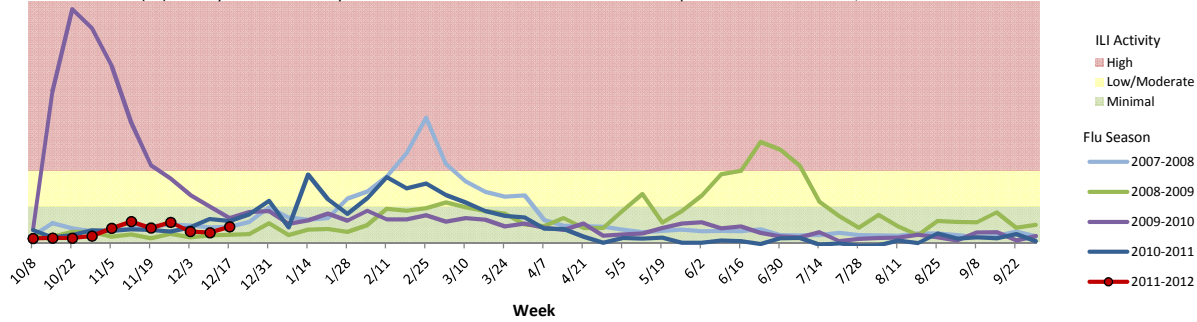


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold- Utah, 2011-2012



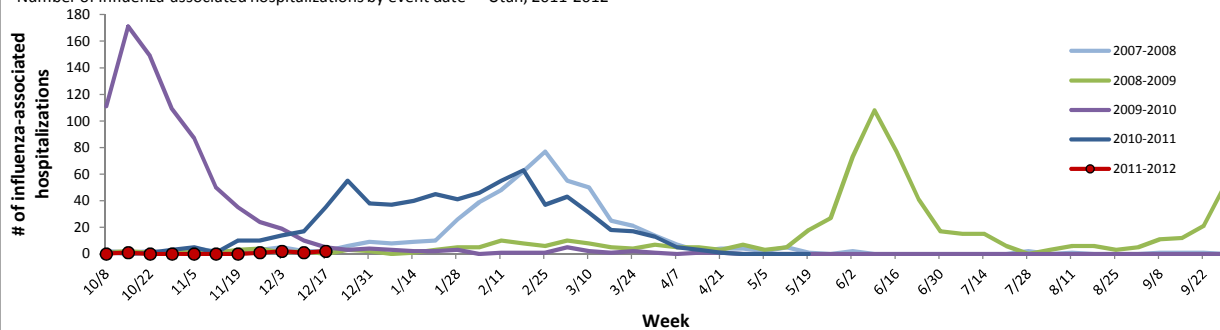
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Minimal
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	5	71.4%	50.3%	0.2636
	Female	2	28.6%	49.7%	0.2636
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	6	85.7%	82.0%	0.8000
	Hispanic	1	14.3%	11.6%	0.8235
	Native Hawaiian/Pacific Islander	0	0.0%	0.7%	0.8271
	Black/African American	0	0.0%	0.9%	0.7974
	American Indian	0	0.0%	1.1%	0.7771
	Asian	0	0.0%	1.9%	0.7150
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	0	0.0%	0.0	0
5-24 years	0	0.0%	0.0	0
25-49 years	2	28.6%	0.2	0
50-64 years	4	57.1%	1.0	1
65+ years	1	14.3%	0.4	1
Total	7	100%	0.2	2

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	0
Central	0
Davis	0
Salt Lake	6
Southeastern	0
Southwest	0
Summit	0
Tooele	0
TriCounty	0
Utah	1
Wasatch	0
Weber-Morgan	0

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	1	14.3%	4	57.1%	2	28.6%
Ventilator	1	14.3%	3	42.9%	3	42.9%
Died	0	0.0%	3	42.9%	4	57.1%
Neurological Symptoms	0	0.0%	4	57.1%	3	42.9%
Healthcare Worker	1	14.3%	2	28.6%	4	57.1%
Pregnant	0	0.0%	6	85.7%	1	14.3%
Heart Disorder	0	0.0%	4	57.1%	3	42.9%
Blood Disorder	0	0.0%	3	42.9%	4	57.1%
Kidney Disorder	0	0.0%	4	57.1%	3	42.9%
Metabolic Disorder	0	0.0%	4	57.1%	3	42.9%
Chronic Respiratory Disorder	2	28.6%	2	28.6%	3	42.9%
Immunosuppressed	1	14.3%	3	42.9%	3	42.9%
Neurological Disorder	0	0.0%	4	57.1%	3	42.9%
Seizure Disorder	0	0.0%	4	57.1%	3	42.9%
Bacterial Co-infection	1	14.3%	3	42.9%	3	42.9%
Obese**	1	14.3%	2	28.6%	4	57.1%
Morbidly Obese**	0	0.0%	3	42.9%	4	57.1%
Risk Factor***	6	85.7%	1	14.3%	0	0.0%
Vaccinated	1	14.3%	1	14.3%	5	71.4%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	2	100.0%	6	85.7%
Probable**	0	0.0%	1	14.3%
Total	2	100.0%	7	100.0%

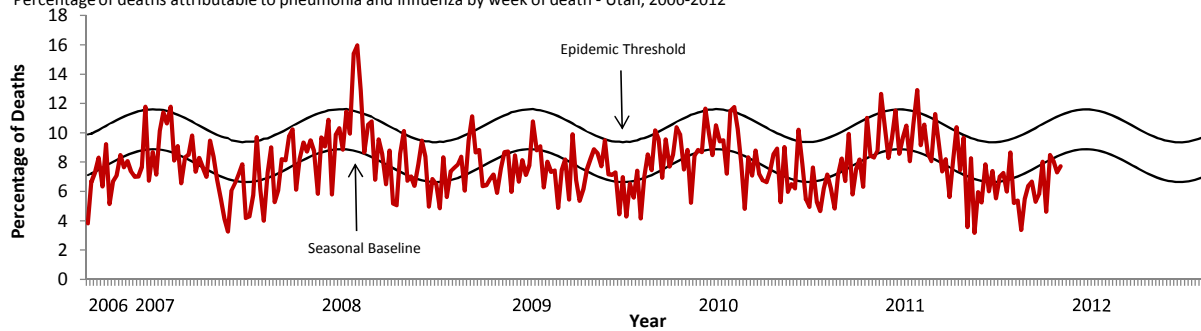
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

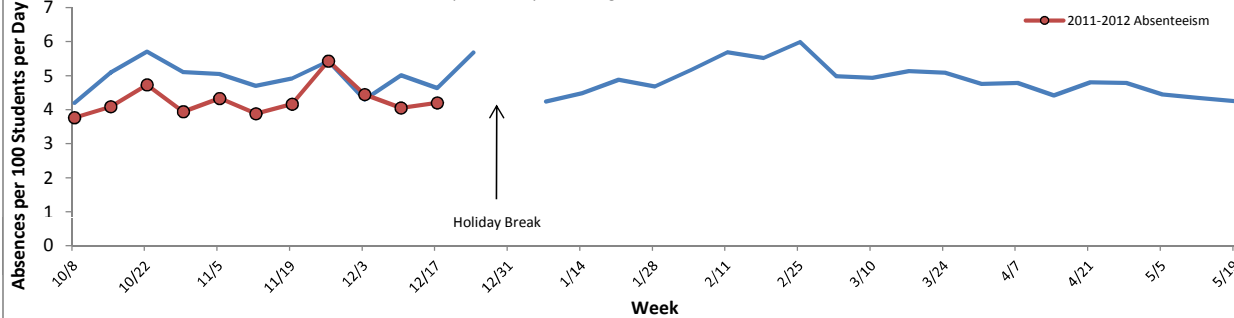
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.2
Central	4.6
Davis	3.6
Salt Lake	4.0
Southeast	5.5
Southwest	4.4
Summit	3.3
Tooele	5.7
TriCounty	4.6
Utah	2.5
Wasatch	4.3
Weber-Morgan	5.7
State	4.2

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	124	--	5	--
Positive specimens	10	8.1%	2	40.0%
Positive Specimens by Type/Subtype				
Influenza A	8	80.0%	1	50.0%
A (2009 H1N1)	0	0.0%	0	0.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	8	100.0%	1	100.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	2	20.0%	1	50.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

